Statement-II

Details of Energy produced from the major power generating non-conventional energy programmes in the country as well as energy produced in the States of Orissa and Rajasthan during the last three years (1998-99 to 2000-01)

SI. No	Programme	Energy Generation during last three years in the country (in million units)	Energy during years Orissa	Generation last three (Million Rajasthan
1.	Wind Power	4093	0	6.37
2.	Biomass Power	120	0	0
3.	Biomass	2060	0	0
4.	Biomass Gasifier	184.2	0.02	0
5.	Energy from Waste	93.8	0	0
6.	Solar Photovoltaic Power	5	0	0

Generation of Non-Conventional Energy in T.N.

3263. SHRI CHO S. RAMASWAMY: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the total quantity of non-conventional energy generated in Tamil Nadu;

(b) the various types of non-conventional energy projects taken up in Tamil Nadu and the investment in each project during the last three years; and

(c) the total quantum of subsidy given to Tamil Nadu during the last three years for these projects?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN) (a) :It is estimated that about 4827 million units of electrical energy have been generated from major non-conventional energy sources of wind, small hydro and biomass energy in the State of Tamil Nadu during the last three years.

(b) and (c) The Ministry is implementing wide-ranging programmes/ schemes based on major non-conventional energy sources such as wind, solar, small hydro and biomass throughout the country including the State of Tamil Nadu. The details of achievements and investments made and financial

assistance/subsidy provided under various non-conventional energy programmes during the last three years, i.e., 1998-99 to 2000-2001 in the State of Tamil Nadu, are given in the Statement.

Statement

Details of various non-conventional energy systems/devices setup, total estimated investment and financial assistance/subsidy provided under various programmes in the State of Tamil Nadu during last three years i.e. 1998-99 to 2000-01

Sl. No.	Name of the Programmes	Systems/ devices installed during last 3years	Total estimated investment (Rs in Crore)	Financial Assistance Subsidy Provided by MNES during last 3 years Rs.in Crore)
1	Biogas Plants (Nos)	4,962	4.22	1.86
2	Community/Institutional/Night Soil Biogas Plants (Nos)	12	0.24	0.18
3	Improved Chulha (No. in Lakhs)	2.14	2.25	1.05
4	Energy from Urban & Industrial Waste (MW)	0.06	1.57	0.95
5	Small Hydro Power (MW)	0.7	5.17	1.49
6	Biomass Power/Generation (MW)	10	35.00	Nil
7	Biomass Gasifier (kW)	1890	0.80	0.15
8	Wind Power (MW)	105.4	475.00	Nil
9	SPV Water Pumps (Nos)	185	4.63	2.10
10	Solar Photovoltaic Programmes	194	3.04	1.24
	i) Solar Street Lighting Systems (Nos.)	69		
	ii) Home Lighting Systems (Nos)	5226		
	iii) Solar Lanterns (Nos)	10		
	iv) Power Plants (kWp)			
11	Wind Pumps (Nos.)	25	0.25	0.08
12	Small Aerogenerators (Kw)	16.5	0.50	0.25

MW=Megawatt, KW=Kilowatt, kWp+Kilowatt peak

Generation of commercial power from wind energy

3264. SHRI PARMESHWAR KUMAR AGARWALLA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the States who have started commercial power generation from wind energy;